Bhagyawanth Ningappa

Kalyani, West Bengal | cse22034@iiitkalyani.ac.in | +91-7204796690
Bhagyawanth Ningappa Bhagyawanth1729

Summary

Computer Science graduate with a strong foundation in software engineering principles and hands-on experience in systems programming, object-oriented design, and database management. Skilled in developing efficient solutions using C, Java, and Python. Seeking a Software Engineer role to apply my problem-solving skills and contribute to impactful software systems

Education

Indian Institute of Information Technology, B.Tech in Computer Science Nov 2022 – July 2026

- **Coursework:** Operating Systems, Data Structures and Algorithms, Computer Networks, DBMS, OOPs in Java, Programming in C, Machine Learning, Artificial Intelligence, Design and Analysis of Algorithms

Projects

Bank Management System | (Java, MySQL, JDBC) GitHub

- Developed a console-based system for user registration, balance inquiries, fund transfers, deposits, and withdrawals.
- Utilized Object-Oriented Programming principles (inheritance, polymorphism) and JDBC for database integration.
- Implemented exception handling for secure data processing and optimized data retrieval for faster response times.

Pharmacy Management System GitHub

- Developed a comprehensive system for managing pharmacy operations, including inventory tracking, billing, and customer records.
- Implemented features such as stock level monitoring, expiry management, and automated reordering.
- Integrated e-prescription validation, drug interaction checks, and compliance with healthcare regulations.
- Designed a user-friendly POS (Point of Sale) system for fast and secure transactions.
- Utilized data analytics for sales, inventory performance, and customer insights.

Plant Disease Detection Model | (Python, TensorFlow, OpenCV, Machine Learning) GitHub

- Trained a convolutional neural network (CNN) using TensorFlow to classify plant diseases from leaf images.
- Preprocessed image data using OpenCV to enhance features and improve model accuracy.
- Developed a Python-based application to demonstrate the model's capability for real-time classification.

Custom Linux Shell | (C, Linux)

- Developed a command-line shell from scratch to understand core operating system concepts.
- Implemented process creation and management using Linux system calls (fork, execvp, waitpid).
- Designed a parser for handling commands and arguments, demonstrating understanding of systems programming.

Skills Summary

Languages: C, Java, SQL, Python, Kotlin, LaTeX
Frameworks: Spring Boot
Databases: MySQL, PostgreSQL,
Tools & OS: Linux, Git, MySQL Workbench
Cloud & Analytic: Google BigQuery, Looker Studio

CERTIFICATIONS

- **One Roadmap Skill Certification - SQL** Certificate
- **HACKERRANK - SQL(Intermediate)** Certificate

ACHIEVEMENTS

- **Google Cloud Certification** 2025
  Earned *BigQuery for Data Analysts* credential from Google Cloud Platform
  Key Skills Gained:
  - Data querying and optimization in BigQuery
  - Advanced SQL techniques for analytics
  - Data visualization with Looker Studio
  - Learned performance tuning techniques and cost optimization strategies